

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/035599

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B60N2/02 B60N2/06 B60N2/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B60N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/22391 A (KEIPER GMBH & CO; KAEMMERER, JOACHIM) 21 March 2002 (2002-03-21) the whole document -----	1-10
X	US 6 152 533 A (SMUK ET AL) 28 November 2000 (2000-11-28) column 5, line 15 - column 9, line 39; figures 1,6,7,10 -----	1-10
X	DE 100 47 743 A (BAYERISCHE MOTOREN WERKE AG) 11 April 2002 (2002-04-11) paragraph '0022! - paragraph '0030!; figures 1-4 ----- -/--	1-10

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

2 February 2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 195 33 932 A (KEIPER RECARO GMBH & CO, 42855 REMSCHEID, DE; LEAR CORP., SOUTHFIELD,) 20 March 1997 (1997-03-20) column 5, line 20 - column 6, line 61; figures 1,4,5 -----	1-3
X	US 5 529 378 A (CHABAN ET AL) 25 June 1996 (1996-06-25) column 2, line 45 - column 3, line 5; figure 2 -----	1-3
X	WO 03/033296 A (JOHNSON CONTROLS GMBH; HALADUDA, GUIDO; HOERL, MICHAEL; COMES, MICHAEL) 24 April 2003 (2003-04-24) page 6, line 4 - page 6, line 6; figures 1,2 -----	4-7
X	US 2001/001526 A1 (MOON JOSEPH J ET AL) 24 May 2001 (2001-05-24) figure 2 -----	4-7

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International Application No
PCT/US2004/035599

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0222391	A	21-03-2002	DE 10045474 C1 BR 0107209 A DE 50100867 D1 WO 0222391 A1 EP 1222088 A1 JP 2004509001 T US 2002125753 A1	07-03-2002 09-07-2002 04-12-2003 21-03-2002 17-07-2002 25-03-2004 12-09-2002
US 6152533	A	28-11-2000	AU 7517398 A CA 2289839 A1 DE 19882413 T0 WO 9854024 A1	30-12-1998 03-12-1998 18-05-2000 03-12-1998
DE 10047743	A	11-04-2002	DE 10047743 A1	11-04-2002
DE 19533932	A	20-03-1997	DE 19533932 A1	20-03-1997
US 5529378	A	25-06-1996	NONE	
WO 03033296	A	24-04-2003	DE 10149858 A1 WO 03033296 A1 EP 1436164 A1 US 2004245829 A1	30-04-2003 24-04-2003 14-07-2004 09-12-2004
US 2001001526	A1	24-05-2001	NONE	